

AMENDMENTS TO THE CLAIMS

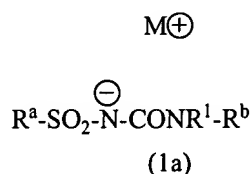
Please amend the claims without prejudice, without admission, without surrender of subject matter, and without any intention of creating any estoppel as to equivalents, as follows.

IN THE CLAIMS:

1.-70. (Cancelled).

71. (Currently amended) A formulation comprising:

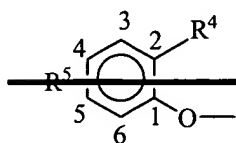
a) at least one sulfonylurea salt of the formula (1a):



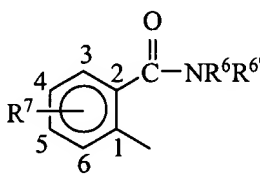
wherein

R¹ is H or C₁-C₁₀-hydrocarbon radical,

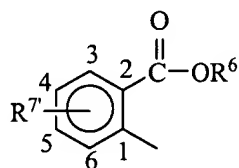
R^a is a radical of the formula ~~(III)~~, ~~(IVa)~~, (IVa) or (IVb) ~~or (IVc)~~:



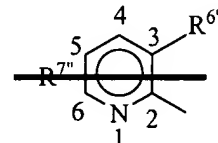
III



IVa



IVb



IVc

~~R⁴ is halogen, a substituted or unsubstituted C₁-C₂₀-hydrocarbon radical or C₁-C₂₀-hydrocarbonoxy radical,~~

~~R⁵ is H, halogen, or a substituted or unsubstituted C₁-C₂₀-hydrocarbon radical or C₁-C₂₀-hydrocarbonoxy radical, which may be substituted by one or more radicals from the group consisting of halogen and (C₁-C₃)-alkoxy, or (C₁-C₅)-alkoxy which may be substituted by one or more radicals from the group consisting of halogen and (C₁-C₃)-alkoxy,~~

R⁶ and R^{6'} are identical or different and are H or a substituted or unsubstituted C₁-C₂₀-hydrocarbon radical, where R⁶ and R^{6'} may form an unsubstituted or substituted ring,

R^7 is H, halogen, OH, NR^xR^y , in which R^x and R^y are H or (C_1-C_3) -alkyl, or R^7 is N- (C_1-C_3) -alkyl-N-acylamino or N-acylamino or a substituted or unsubstituted C_1 - C_{20} -hydrocarbon radical or hydrocarbonoxy radical,

$R^{6''}$ is a substituted or unsubstituted C_1 - C_{20} -hydrocarbon radical,

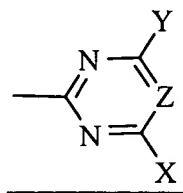
$R^{7'}$ is H, halogen, OH, NR^xR^y , in which R^x and R^y are H or (C_1-C_3) -alkyl, or $R^{7'}$ is N- (C_1-C_3) -alkyl-N-acylamino, N-acylamino or a substituted or unsubstituted C_1 - C_{20} -hydrocarbon radical or a C_1 - C_{20} -hydrocarbonoxy radical,

~~$R^{6'''}$ is halogen, or a substituted or unsubstituted C_1 - C_{20} -hydrocarbon-containing radical, which may be substituted by one or more radicals from the group consisting of halogen and (C_1-C_3) -alkoxy, (C_1-C_6) -alkoxy which may be substituted by one or more radicals from the group consisting of halogen or (C_1-C_3) -alkoxy, substituted or unsubstituted alkoxycarbonyl, substituted or unsubstituted dialkylaminocarbonyl, substituted or unsubstituted (C_1-C_6) -alkylsulfonyl, (C_1-C_6) -mono or dialkylamino, N- (C_1-C_6) -alkyl N-acylamino or N-acylamino;~~

~~$R^{7''}$ is H, halogen, OH, NR^xR^y , in which R^x and R^y are H or (C_1-C_3) -alkyl, or $R^{7''}$ is a substituted or unsubstituted C_1 - C_{20} -hydrocarbon radical or hydrocarbonoxy radical;~~

M^+ is SMe_3

R^b ~~is a nitrogen-containing heterocyclyl radical~~ is a radical of the formula:



wherein

X is substituted or unsubstituted (C_1-C_6) -alkyl, substituted or unsubstituted (C_1-C_6) -alkoxy, halogen, substituted or unsubstituted (C_1-C_6) -mercaptoalkyl or (C_1-C_3) -mono- or (C_1-C_3) -dialkylamino,

Y is substituted or unsubstituted (C_1-C_6) -alkyl, substituted or unsubstituted (C_1-C_6) -alkoxy, halogen, substituted or unsubstituted (C_1-C_6) -mercaptoalkyl or (C_1-C_3) -mono- or (C_1-C_3) -dialkylamino, and

Z is N,

b) customary auxiliaries and additives.

72. (Cancelled)

73. (Cancelled)

74. (Previously presented) The formulation according to claim 71, wherein R¹ is a substituted or unsubstituted (C₁-C₆)-alkyl.

75. (Previously presented) The formulation according to claim 71, wherein the formulation is an emulsifiable concentrate.

76. (Cancelled)

77. (Previously presented) The formulation according to claim 71, wherein R⁴ is a (C₁-C₆)-alkyl, (C₂-C₆)-alkenyl, (C₂-C₆)-alkynyl, (C₁-C₆)-alkoxy, (C₃-C₆)-alkenyloxy or a (C₃-C₆)-alkynyloxy, substituted or unsubstituted by one or more radicals.

78. (Previously presented) The formulation according to claim 77, wherein said radical is halogen or (C₁-C₃)-alkoxy.

79. (Previously presented) The formulation according to claim 71, wherein R⁵ is a (C₁-C₆)-alkyl.

80. (Previously presented) The formulation according to claim 71, wherein R⁶ and R^{6'} are C₁-C₆-alkyl.

81. (Currently amended) The formulation according to claim 80, wherein said C₁-C₆-alkyl is Me, Et, ⁿPr, ⁱPr or ^cPr ^ePR.

82. (Previously presented) The formulation according to claim 71, wherein R⁷ is a (C₁-C₃)-alkyl, (C₁-C₃)-haloalkyl, halogen, (C₁-C₃)-alkyl-(N-(C₁-C₃)-alkyl-N-acylamino), (C₁-C₃)-alkyl-(N-acylamino) or (C₁-C₃)-alkoxy.

83. (Previously presented) The formulation according to claim 71, wherein R^{6''} is a substituted or unsubstituted (C₁-C₆)-alkyl, substituted or unsubstituted (C₃-C₆)-alkenyl, substituted or unsubstituted (C₃-C₆)-cycloalkyl, substituted or unsubstituted (C₃-C₇)-alkynyl, or a substituted or unsubstituted (C₄-C₈)-cycloalkylalkyl.

84. (Previously presented) The formulation according to claim 71, wherein R^{7'} is a (C₁-C₃)-alkyl, (C₁-C₃)-haloalkyl, (C₁-C₃)-alkyl-(N-(C₁-C₃)-alkyl-N-acylamino), (C₁-C₃)-alkyl-(N-acylamino) or (C₁-C₃)-alkoxy.

85. (Cancelled)

86. (Cancelled)

87. (Currently amended) A compound of the formula (Ia) as defined in claim 71 wherein:

R^1 is H or Me,

R^4 is (C₁-C₆)-alkyl, (C₁-C₆)-haloalkyl or (C₁-C₆)-alkoxy,

R^5 is H, halogen, OMe, OEt, Me, CF₃,

R^6 and $R^{6'}$ are identical or different C₁-C₆-alkyl radicals,

R^7 is H, Me, Et, CF₃, F, Cl, Br, I, N[(C₁-C₃)-alkyl]-R⁸, NH-R⁹, CH₂N[(C₁-C₃)-alkyl]-R¹⁰, CH₂NH-R¹¹, CH₂CH₂N[(C₁-C₃)-alkyl]-R¹², CH₂CH₂NH-R¹³, wherein the radicals R⁸ to R¹³ are H, (C₁-C₆)-alkyl, (C₁-C₆)-haloalkyl, CHO, COO(C₁-C₆)-alkyl, COO(C₁-C₆)-haloalkyl, SO₂-(C₁-C₆)-alkyl, SO₂-(C₁-C₆)-haloalkyl, CO-(C₁-C₆)-alkyl or CO-(C₁-C₆)-haloalkyl,

$R^{6''}$ is Me, Et, ⁿPr, ⁱPr, ^cPr, ⁿBu, ⁱBu, ^sBu, ^tBu, ^cBu,

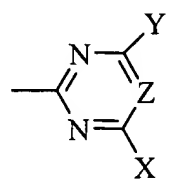
$R^{7'}$ is H, Me, Et, CF₃, F, Cl, Br, I, N[(C₁-C₃)-alkyl]-R⁸, NH-(C₁-C₃)-alkyl, CH₂N[(C₁-C₃)-alkyl]-R¹⁰, CH₂NH-R¹¹, CH₂CH₂N[(C₁-C₃)-alkyl]-R¹², CH₂CH₂NH-R¹³, wherein the radicals R⁸ and R¹⁰ to R¹³ are H, (C₁-C₆)-alkyl, (C₁-C₆)-haloalkyl, CHO, COO(C₁-C₆)-alkyl, COO(C₁-C₆)-haloalkyl, SO₂-(C₁-C₆)-alkyl, SO₂-(C₁-C₆)-haloalkyl, CO-(C₁-C₆)-alkyl or CO-(C₁-C₆)-haloalkyl,

$R^{6'''}$ is Me, Et, Pr, CH₂CH₂CF₃, OMe, OEt, OⁱPr, OCH₂CH₂Cl, F, Cl, COOMe, COOEt, COOⁿPr, COOⁱPr, CONMe₂, CONEt₂, SO₂Me, SO₂Et, SO₂ⁱPr, unsubstituted or substituted NH-(C₄-C₆)-alkyl-acyl, unsubstituted or substituted NH-(C₃-C₇)-cycloalkyl, unsubstituted or substituted (C₄-C₈)-cycloalkylalkyl, unsubstituted or substituted N-(C₃-C₇)-cycloalkyl-aryl, or an unsubstituted or substituted N-(C₄-C₈)-cycloalkylalkyl-acyl,

$R^{7''}$ is H, F, Cl, Me, Et, CF₃, OCH₃, OEt, OCH₂CF₃,

M^+ is SMe₃

R^b is a nitrogen-containing heterocyclyl radical is a radical of the formula:



wherein

X is substituted or unsubstituted (C₁-C₆)-alkyl, substituted or unsubstituted (C₁-C₆)-alkoxy, halogen, substituted or unsubstituted (C₁-C₆)-mercaptoalkyl or (C₁-C₃)-mono- or (C₁-C₃)-dialkylamino,

Y is substituted or unsubstituted (C₁-C₆)-alkyl, substituted or unsubstituted (C₁-C₆)-alkoxy, halogen, substituted or unsubstituted (C₁-C₆)-mercaptoalkyl or (C₁-C₃)-mono- or (C₁-C₃)-dialkylamino, and

Z is N.

88. (Cancelled)

89. (Cancelled)

90. (Previously presented) The compound according to claim 87, wherein R⁴ is Me, Et, OMe, OEt or CF₃.

91. (Previously presented) The compound according to claim 87, wherein said halogen is as F, Cl, Br or I.

92. (Cancelled)

93. (Previously presented) The compound according to claim 87, wherein R⁶ = Me, R^{6'} = Me; R⁶ = Me, R^{6'} = Et and R^{6'} = Et, R⁶ = Et.

94. (Previously presented) The compound according to claim 87, wherein the radicals R⁷ in the formula (IVa) which are different from hydrogen are located in the 5-position on the phenyl ring.

95. (Previously presented) The compound according to claim 87, wherein R^{6''} is Me or Et.

96. (Previously presented) The compound according to claim 87, wherein the radicals R^{7'} in the formula (IVb) which are different from hydrogen are located in the 5-position on the phenyl ring.

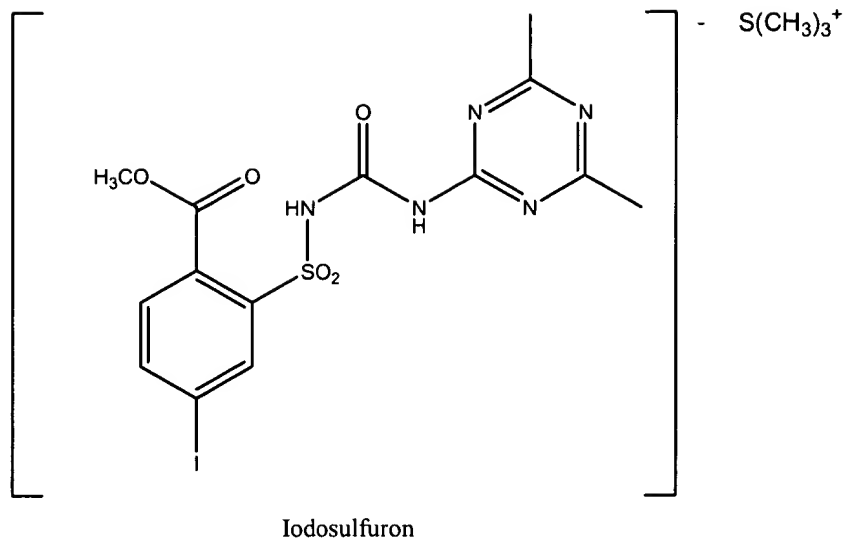
97. (Cancelled)

98. (Cancelled)

99. (Previously presented) The compound according to claim 87, wherein X is OMe, OEt, Me or Cl.

100. (Previously presented) The compound according to claim 87, wherein Y is OMe, OEt, Me or Cl.

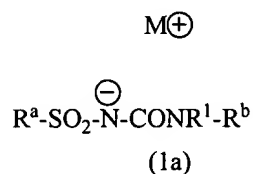
101. (Currently amended) A An emulsifiable concentrate formulation comprising:
a)



b) customary auxiliaries and additives.

102. (Currently amended) A formulation comprising:

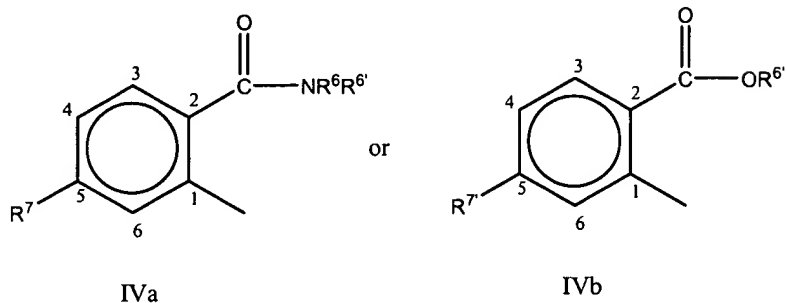
a) at least one sulfonylurea salt of the formula (1a):



wherein

R^1 is H or C_1 - C_{10} -hydrocarbon radical,

R^a is a radical of the formula (IVa) or (IVb):



R^4 is halogen, a substituted or unsubstituted C_1 - C_{20} -hydrocarbon radical or C_1 - C_{20} -hydrocarboxy radical,

R^5 is H, halogen, or a substituted or unsubstituted C_1 - C_{20} -hydrocarbon radical or C_1 - C_{20} -hydrocarboxy radical, which may be substituted by one or more radicals

from the group consisting of halogen and (C₁-C₃)-alkoxy, or (C₁-C₅)-alkoxy which may be substituted by one or more radicals from the group consisting of halogen and (C₁-C₃)-alkoxy,

R⁶ and R^{6'} are identical or different and are H or a substituted or unsubstituted C₁-C₂₀-hydrocarbon radical, where R⁶ and R^{6'} may form an unsubstituted or substituted ring,

R⁷ is H, halogen, OH, NR^xR^y, in which R^x and R^y are H or (C₁-C₃)-alkyl, or R⁷ is N-(C₁-C₃)-alkyl-N-acylamino or N-acylamino or a substituted or unsubstituted C₁-C₂₀-hydrocarbon radical or hydrocarbonoxy radical,

R^{6''} is a substituted or unsubstituted C₁-C₂₀-hydrocarbon radical,

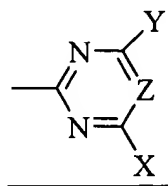
R^{7'} is H, halogen, OH, NR^xR^y, in which R^x and R^y are H or (C₁-C₃)-alkyl, or R^{7'} is N-(C₁-C₃)-alkyl-N-acylamino, N-acylamino or a substituted or unsubstituted C₁-C₂₀-hydrocarbon radical or a C₁-C₂₀-hydrocarbonoxy radical,

~~R^{6'''} is halogen, or a substituted or unsubstituted C₁-C₂₀-hydrocarbon containing radical, which may be substituted by one or more radicals from the group consisting of halogen and (C₁-C₃)-alkoxy, (C₁-C₆)-alkoxy which may be substituted by one or more radicals from the group consisting of halogen or (C₁-C₃)-alkoxy, substituted or unsubstituted alkoxy carbonyl, substituted or unsubstituted dialkylaminocarbonyl, substituted or unsubstituted (C₁-C₆)-alkylsulfonyl, (C₁-C₆)-mono or dialkylamino, N-(C₁-C₆)-alkyl N-acylamino or N-acylamino,~~

~~R^{7''} is H, halogen, OH, NR^xR^y, in which R^x and R^y are H or (C₁-C₃)-alkyl, or R^{7''} is a substituted or unsubstituted C₁-C₂₀-hydrocarbon radical or hydrocarbonoxy radical,~~

M⁺ is phosphonium or sulfonium ion

R^b ~~is a nitrogen-containing heterocyclyl radical~~ is a radical of the formula:



wherein

X is substituted or unsubstituted (C₁-C₆)-alkyl, substituted or unsubstituted (C₁-C₆)-alkoxy, halogen, substituted or unsubstituted (C₁-C₆)-mercaptoalkyl or (C₁-C₃)-mono- or (C₁-C₃)-dialkylamino,

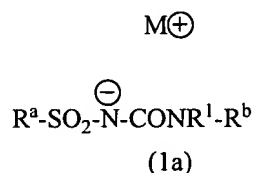
Y is substituted or unsubstituted (C₁-C₆)-alkyl, substituted or unsubstituted (C₁-C₆)-alkoxy, halogen, substituted or unsubstituted (C₁-C₆)-mercaptoalkyl or (C₁-C₃)-mono- or (C₁-C₃)-dialkylamino, and

Z is N,

b) customary auxiliaries and additives.

103. (Currently amended) A formulation comprising:

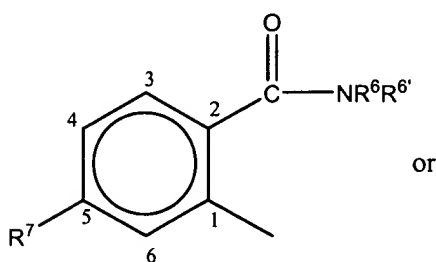
a) at least one sulfonylurea salt of the formula (1a):



wherein

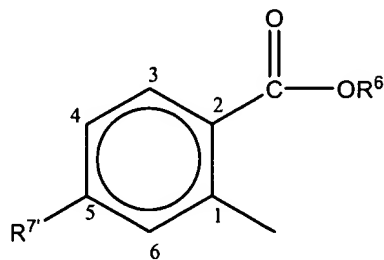
R¹ is H or C₁-C₁₀-hydrocarbon radical,

R^a is a radical of the formula (IVa) or (IVb):



IVa

or



IVb

R⁴ is halogen, a substituted or unsubstituted C₁-C₂₀-hydrocarbon radical or C₁-C₂₀-hydrocarboxy radical,

R⁵ is H, halogen, or a substituted or unsubstituted C₁-C₂₀-hydrocarbon radical or C₁-C₂₀-hydrocarboxy radical, which may be substituted by one or more radicals from the group consisting of halogen and (C₁-C₃)-alkoxy, or (C₁-C₅)-alkoxy

which may be substituted by one or more radicals from the group consisting of halogen and (C₁-C₃)-alkoxy,

R⁶ and R^{6'} are identical or different and are H or a substituted or unsubstituted C₁-C₂₀-hydrocarbon radical, where R⁶ and R^{6'} may form an unsubstituted or substituted ring,

R⁷ is H, halogen, OH, NR^xR^y, in which R^x and R^y are H or (C₁-C₃)-alkyl, or R⁷ is N-(C₁-C₃)-alkyl-N-acylamino or N-acylamino or a substituted or unsubstituted C₁-C₂₀-hydrocarbon radical or hydrocarbonoxy radical,

R^{6''} is a substituted or unsubstituted C₁-C₂₀-hydrocarbon radical,

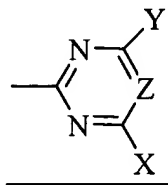
R^{7'} is H, halogen, OH, NR^xR^y, in which R^x and R^y are H or (C₁-C₃)-alkyl, or R^{7'} is N-(C₁-C₃)-alkyl-N-acylamino, N-acylamino or a substituted or unsubstituted C₁-C₂₀-hydrocarbon radical or a C₁-C₂₀-hydrocarbonoxy radical,

~~R^{6'''} is halogen, or a substituted or unsubstituted C₁-C₂₀-hydrocarbon containing radical, which may be substituted by one or more radicals from the group consisting of halogen and (C₁-C₃)-alkoxy, (C₁-C₆)-alkoxy which may be substituted by one or more radicals from the group consisting of halogen or (C₁-C₃)-alkoxy, substituted or unsubstituted alkoxy-carbonyl, substituted or unsubstituted dialkylaminocarbonyl, substituted or unsubstituted (C₁-C₆)-alkylsulfonyl, (C₁-C₆)-mono or dialkylamino, N-(C₁-C₆)-alkyl N-acylamino or N-acylamino,~~

~~R^{7''} is H, halogen, OH, NR^xR^y, in which R^x and R^y are H or (C₁-C₃)-alkyl, or R^{7''} is a substituted or unsubstituted C₁-C₂₀-hydrocarbon radical or hydrocarbonoxy radical,~~

M⁺ is sulfonium ion

R^b ~~is a nitrogen-containing heterocyclyl radical~~ is a radical of the formula:



wherein

X is substituted or unsubstituted (C₁-C₆)-alkyl, substituted or unsubstituted (C₁-C₆)-alkoxy, halogen, substituted or unsubstituted (C₁-C₆)-mercaptoalkyl or (C₁-C₃)-mono- or (C₁-C₃)-dialkylamino,

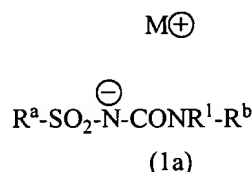
Y is substituted or unsubstituted (C₁-C₆)-alkyl, substituted or unsubstituted (C₁-C₆)-alkoxy, halogen, substituted or unsubstituted (C₁-C₆)-mercaptoalkyl or (C₁-C₃)-mono- or (C₁-C₃)-dialkylamino, and

Z is N,

b) customary auxiliaries and additives.

104. (Currently amended) A formulation comprising:

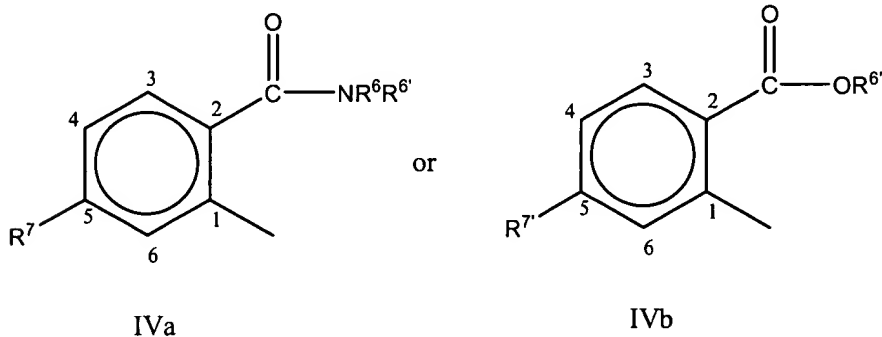
a) at least one sulfonylurea salt of the formula (1a):



wherein

R¹ is H or C₁-C₁₀-hydrocarbon radical,

R^a is a radical of the formula (IVa) or (IVb):



R⁴ is halogen, a substituted or unsubstituted C₁-C₂₀-hydrocarbon radical or C₁-C₂₀-hydrocarboxy radical,

R⁵ is H, halogen, or a substituted or unsubstituted C₁-C₂₀-hydrocarbon radical or C₁-C₂₀-hydrocarboxy radical, which may be substituted by one or more radicals from the group consisting of halogen and (C₁-C₃)-alkoxy, or (C₁-C₅)-alkoxy

which may be substituted by one or more radicals from the group consisting of halogen and (C₁-C₃)-alkoxy,

R⁶ and R^{6'} are identical or different and are H or a substituted or unsubstituted C₁-C₂₀-hydrocarbon radical, where R⁶ and R^{6'} may form an unsubstituted or substituted ring,

R⁷ is H, halogen, OH, NR^xR^y, in which R^x and R^y are H or (C₁-C₃)-alkyl, or R⁷ is N-(C₁-C₃)-alkyl-N-acylamino or N-acylamino or a substituted or unsubstituted C₁-C₂₀-hydrocarbon radical or hydrocarbonoxy radical,

R^{6''} is a substituted or unsubstituted C₁-C₂₀-hydrocarbon radical,

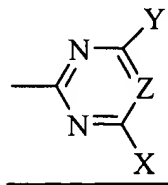
R^{7'} is H, halogen, OH, NR^xR^y, in which R^x and R^y are H or (C₁-C₃)-alkyl, or R^{7'} is N-(C₁-C₃)-alkyl-N-acylamino, N-acylamino or a substituted or unsubstituted C₁-C₂₀-hydrocarbon radical or a C₁-C₂₀-hydrocarbonoxy radical,

~~R^{6'''} is halogen, or a substituted or unsubstituted C₁-C₂₀-hydrocarbon containing radical, which may be substituted by one or more radicals from the group consisting of halogen and (C₁-C₃)-alkoxy, (C₁-C₆)-alkoxy which may be substituted by one or more radicals from the group consisting of halogen or (C₁-C₃)-alkoxy, substituted or unsubstituted alkoxy carbonyl, substituted or unsubstituted dialkylaminocarbonyl, substituted or unsubstituted (C₁-C₆)-alkylsulfonyl, (C₁-C₆)-mono or dialkylamino, N-(C₁-C₆)-alkyl-N-acylamino or N-acylamino,~~

~~R^{7''} is H, halogen, OH, NR^xR^y, in which R^x and R^y are H or (C₁-C₃)-alkyl, or R^{7''} is a substituted or unsubstituted C₁-C₂₀-hydrocarbon radical or hydrocarbonoxy radical,~~

M⁺ is tertiary sulfonium ion,

R^b ~~is a nitrogen-containing heterocyclyl radical;~~ is a radical of the formula:



wherein

X is substituted or unsubstituted (C₁-C₆)-alkyl, substituted or unsubstituted (C₁-C₆)-alkoxy, halogen, substituted or unsubstituted (C₁-C₆)-mercaptoalkyl or (C₁-C₃)-mono- or (C₁-C₃)-dialkylamino,

Y is substituted or unsubstituted (C₁-C₆)-alkyl, substituted or unsubstituted (C₁-C₆)-alkoxy, halogen, substituted or unsubstituted (C₁-C₆)-mercaptoalkyl or (C₁-C₃)-mono- or (C₁-C₃)-dialkylamino, and

Z is N,

b) customary auxiliaries and additives.

105. (Previously presented) The formulation of claim 104, wherein M⁺ is triphenyl S⁺ or tri(C₁-C₃₀)alkyl S⁺.

106. (Previously presented) The formulation of claim 105, wherein M⁺ is trimethyl S⁺.